

Figure 1

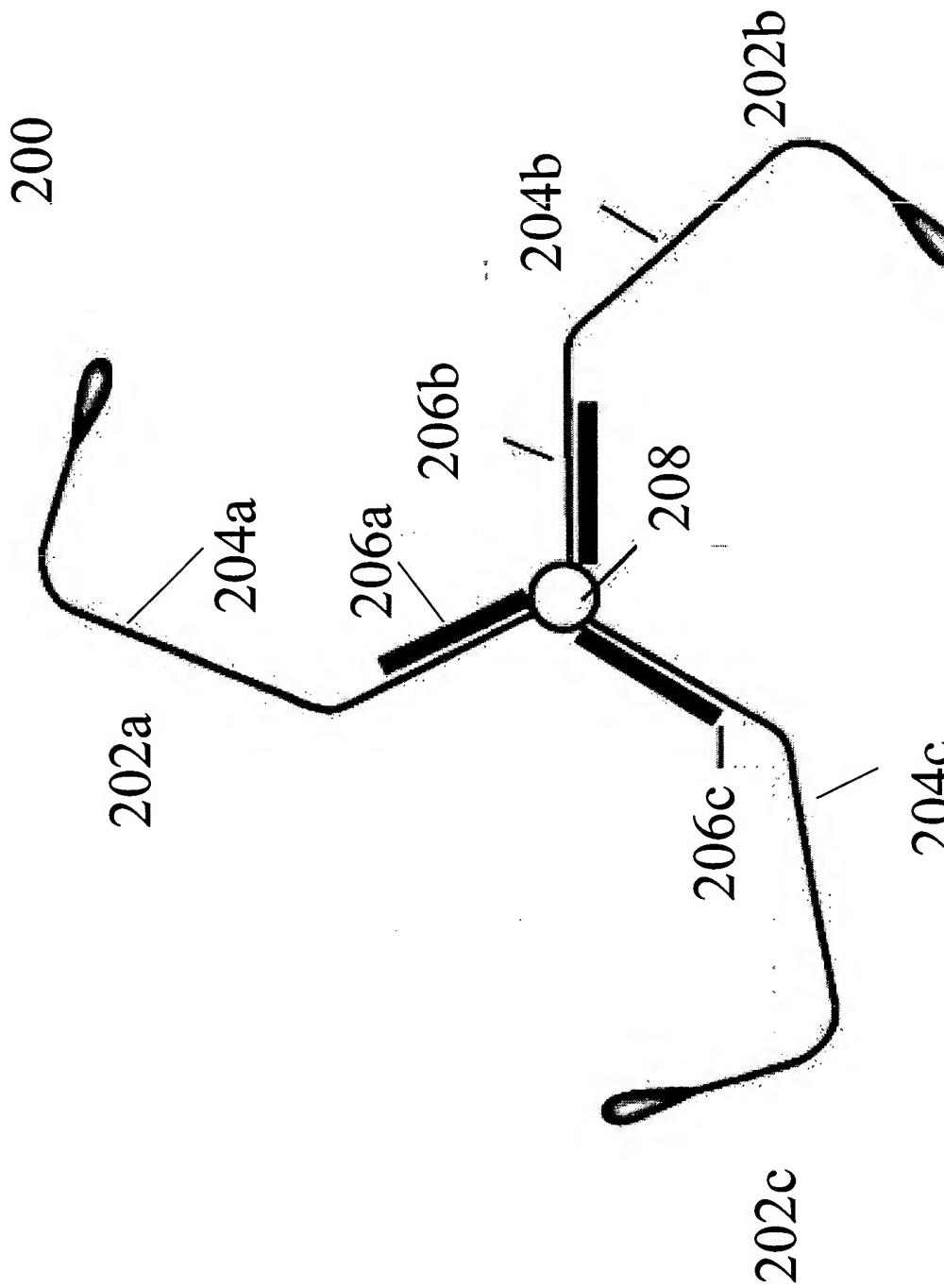


Figure 2

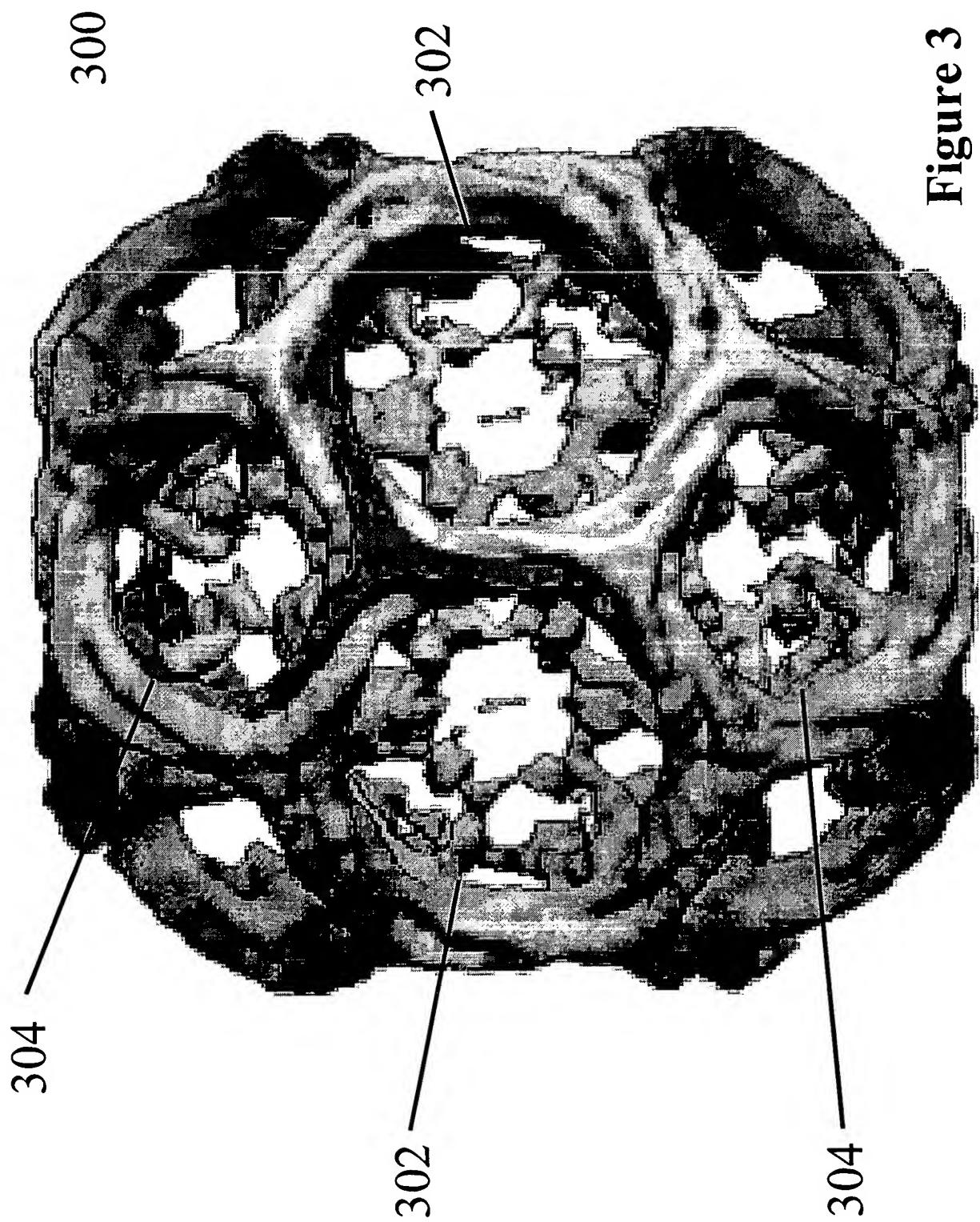


Figure 3

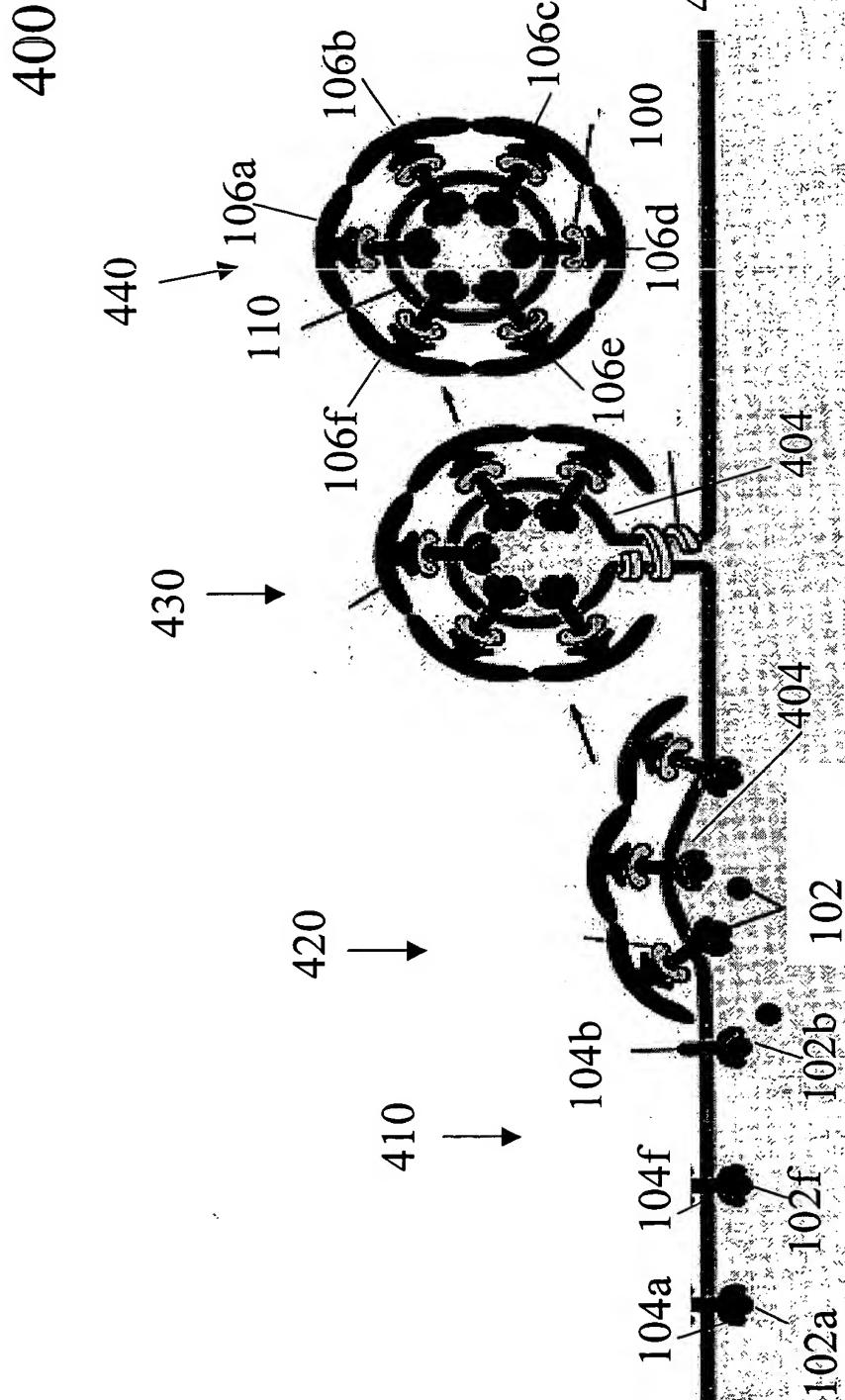


Figure 4

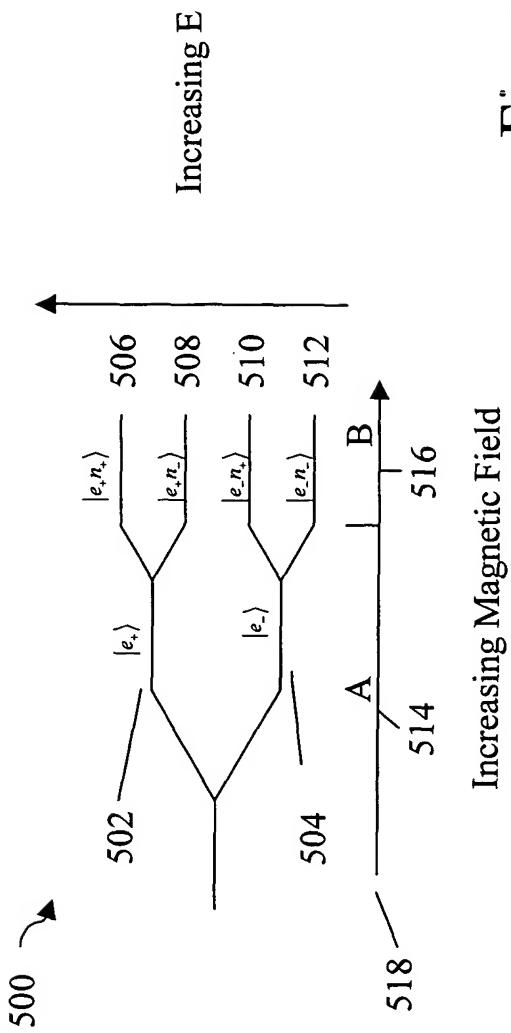


Figure 5

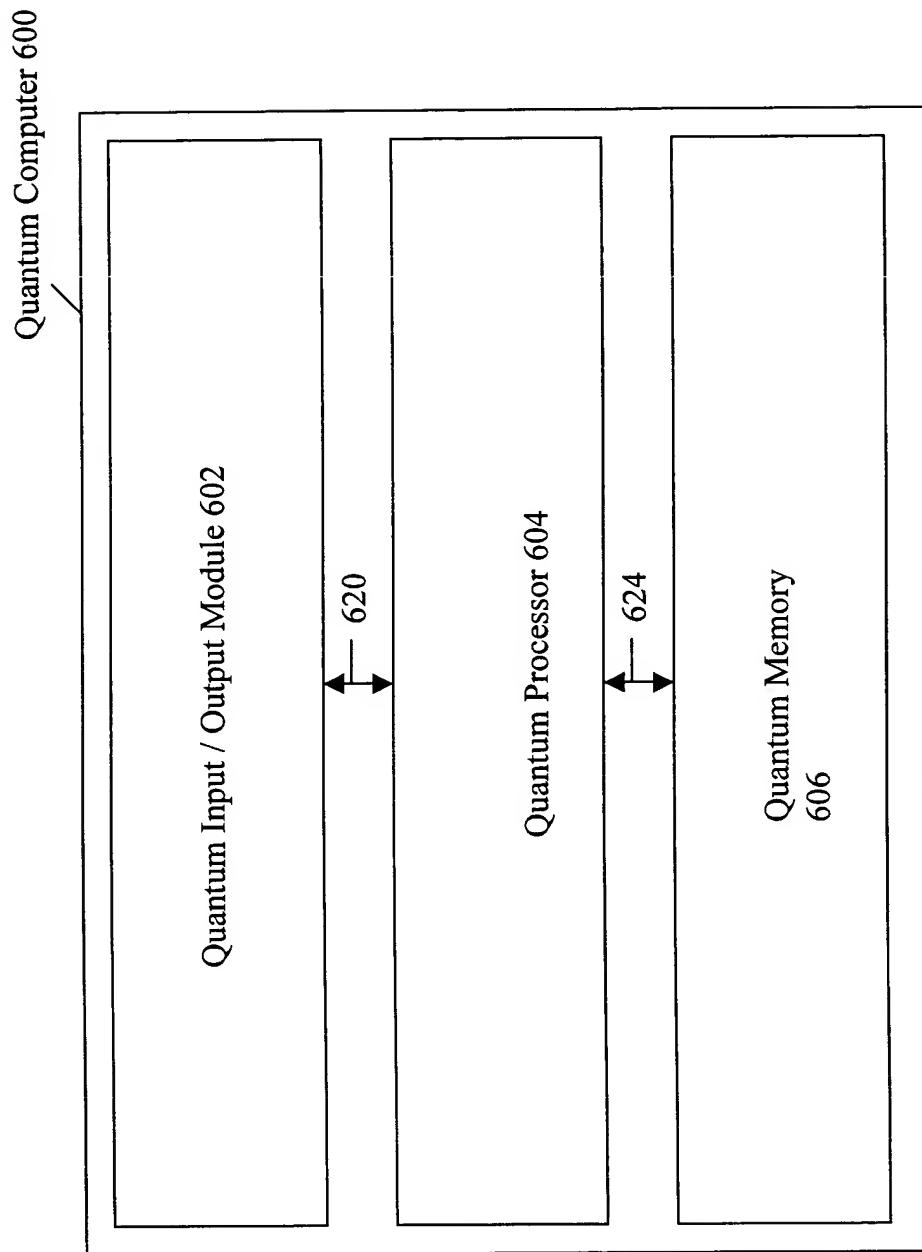


Figure 6

Applicants: **Vitaliano *et al.***  
Serial No.: Not yet assigned Filing Date: Herewith  
Title: **Quantum Information Processing Elements and Quantum Information Processing Platforms Using Such Elements**  
Atty.: **John V. Bianco** Reg. No. 36,748  
Atty. Phone No.: (617) 248-7870  
Express Mail Mailing Label No.: **EV260609868US**  
Docket: **VXM-001A** Sheet 7 of 16

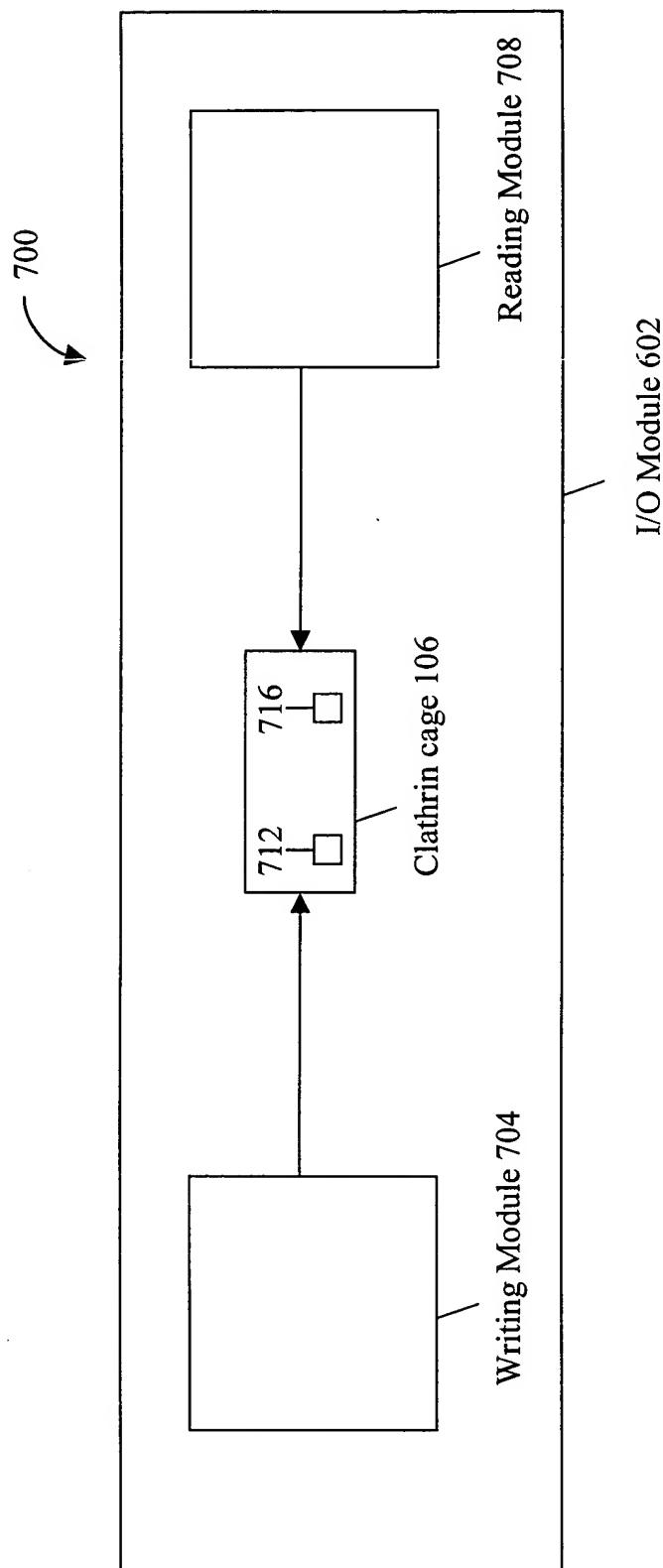


Figure 7

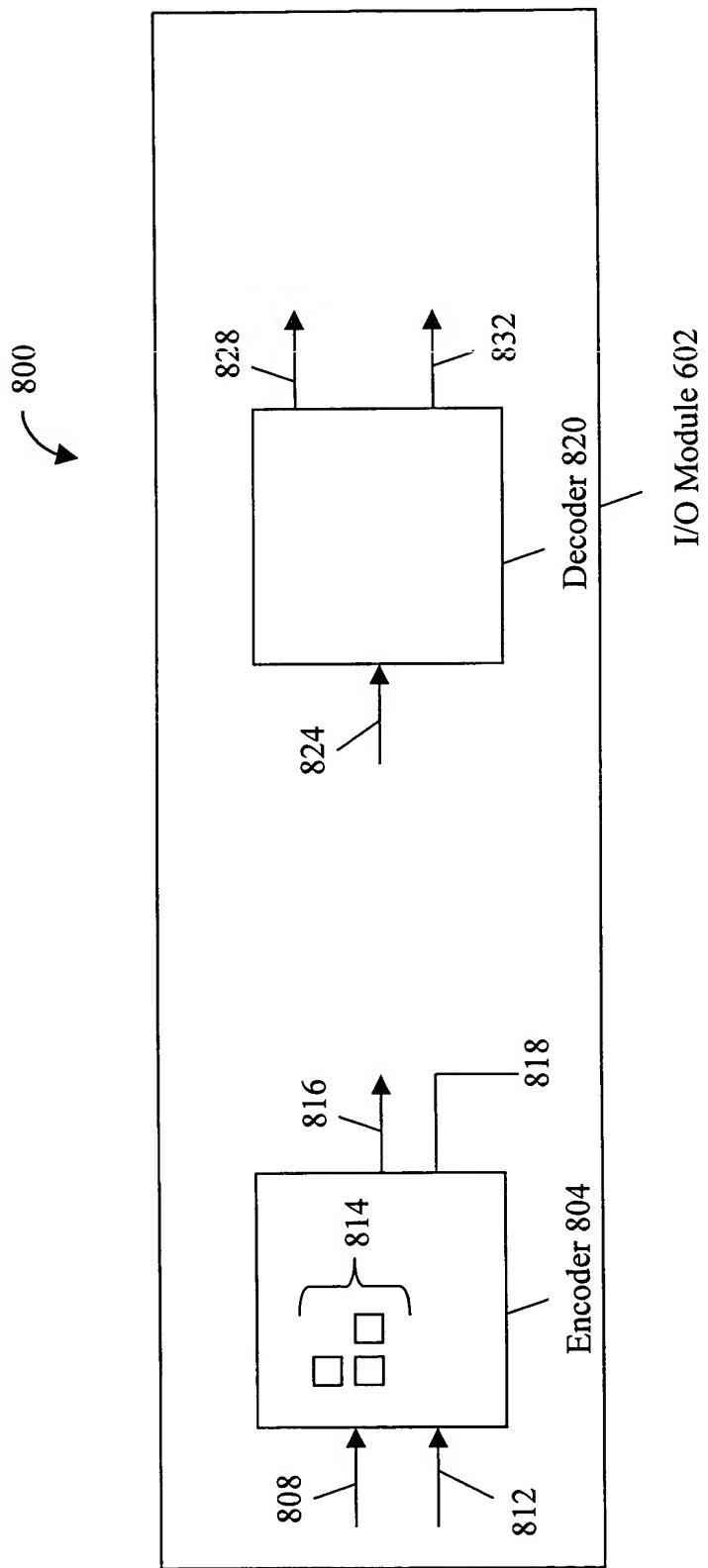


Figure 8

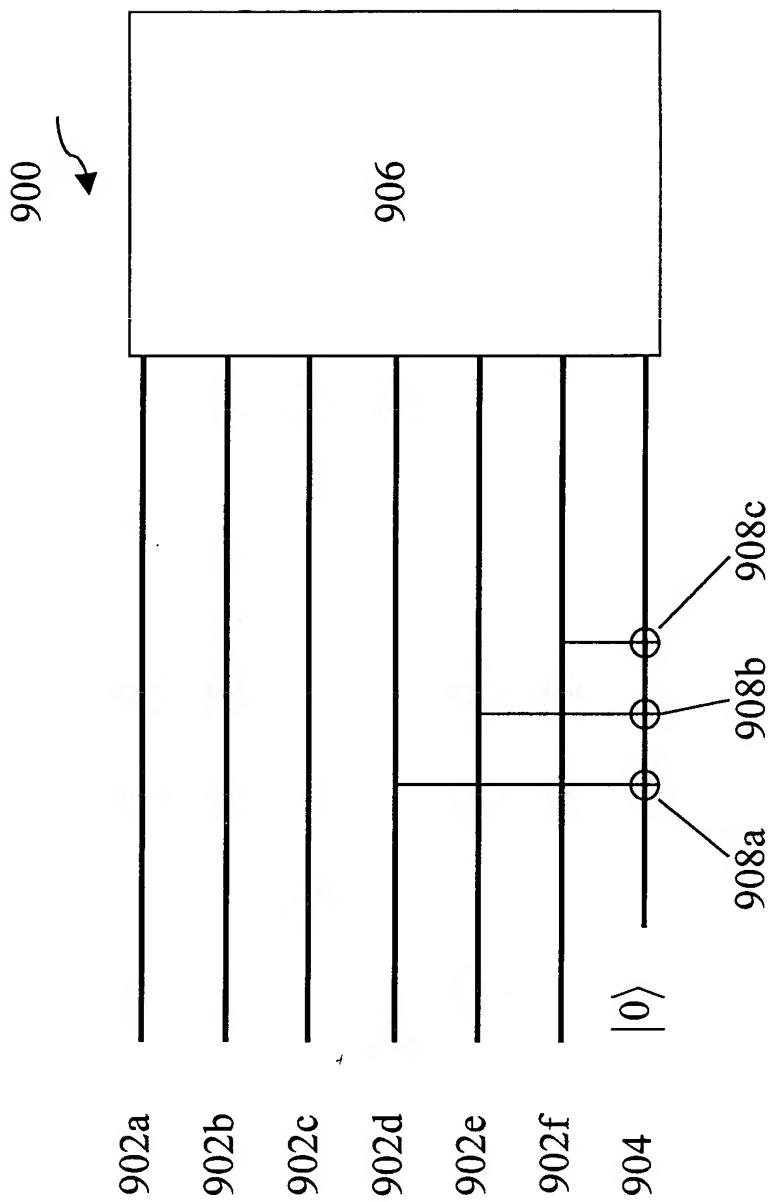


Figure 9

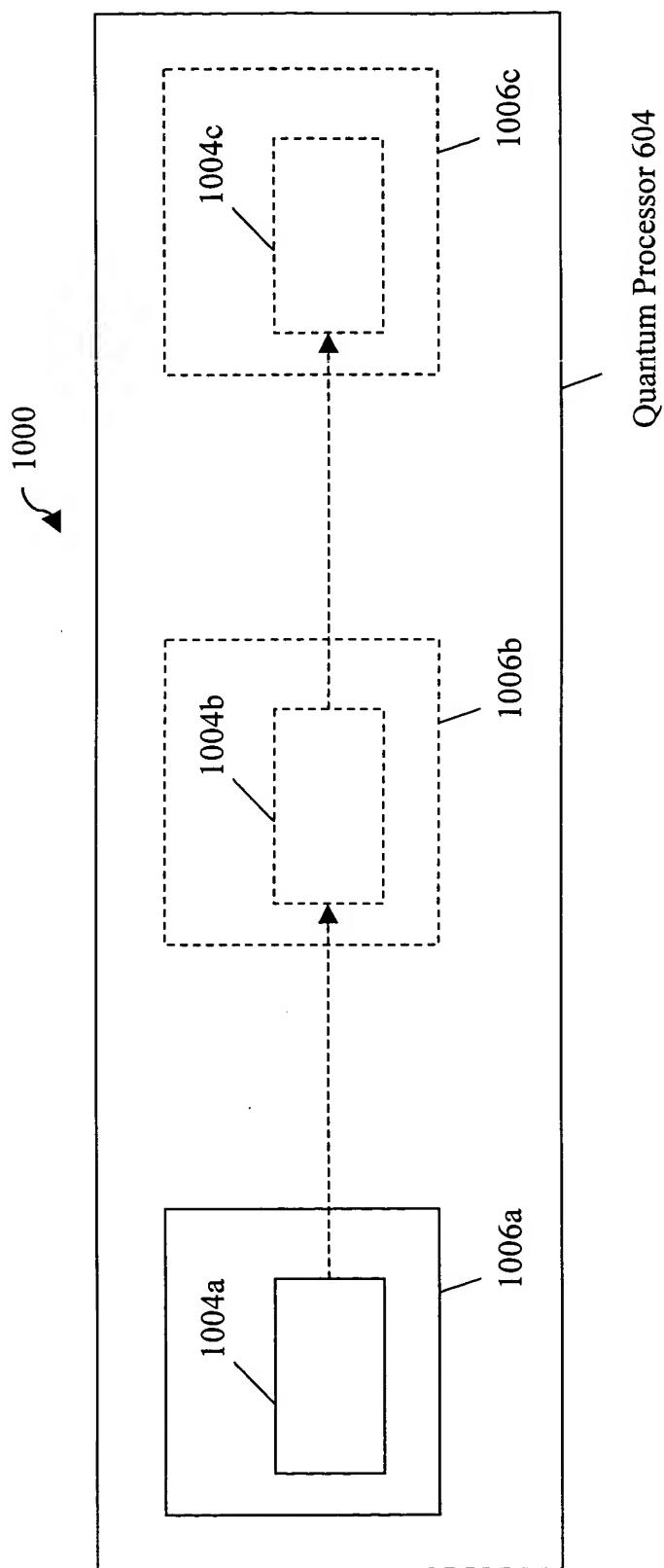


Figure 10

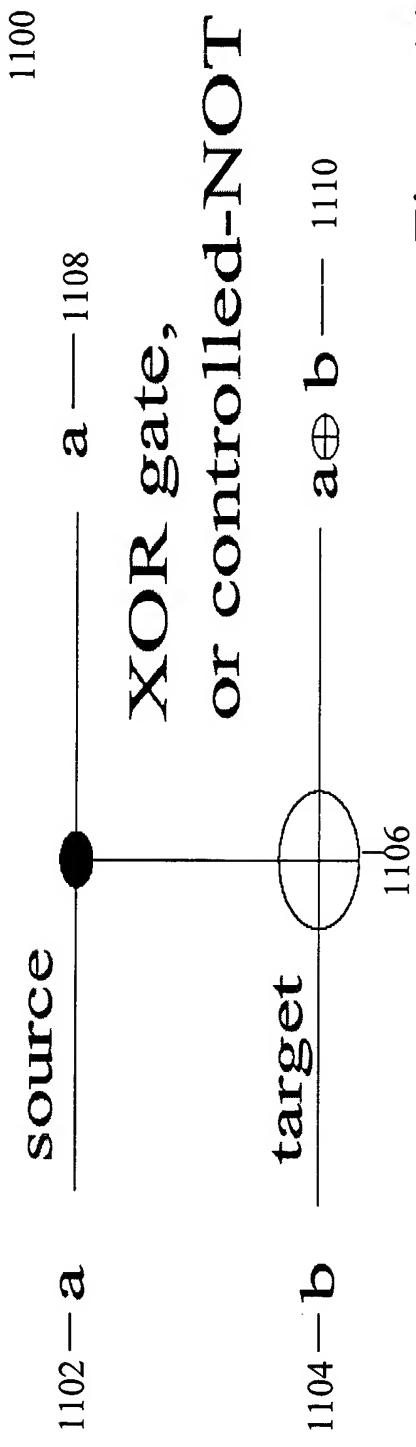


Figure 11

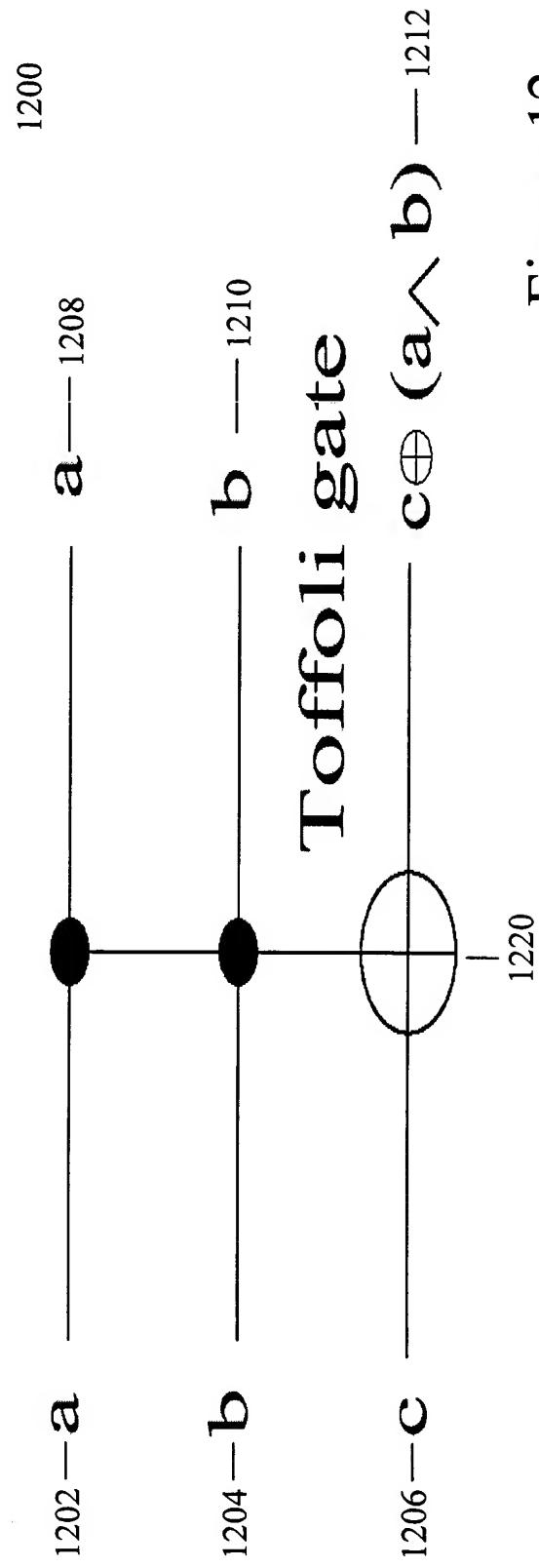
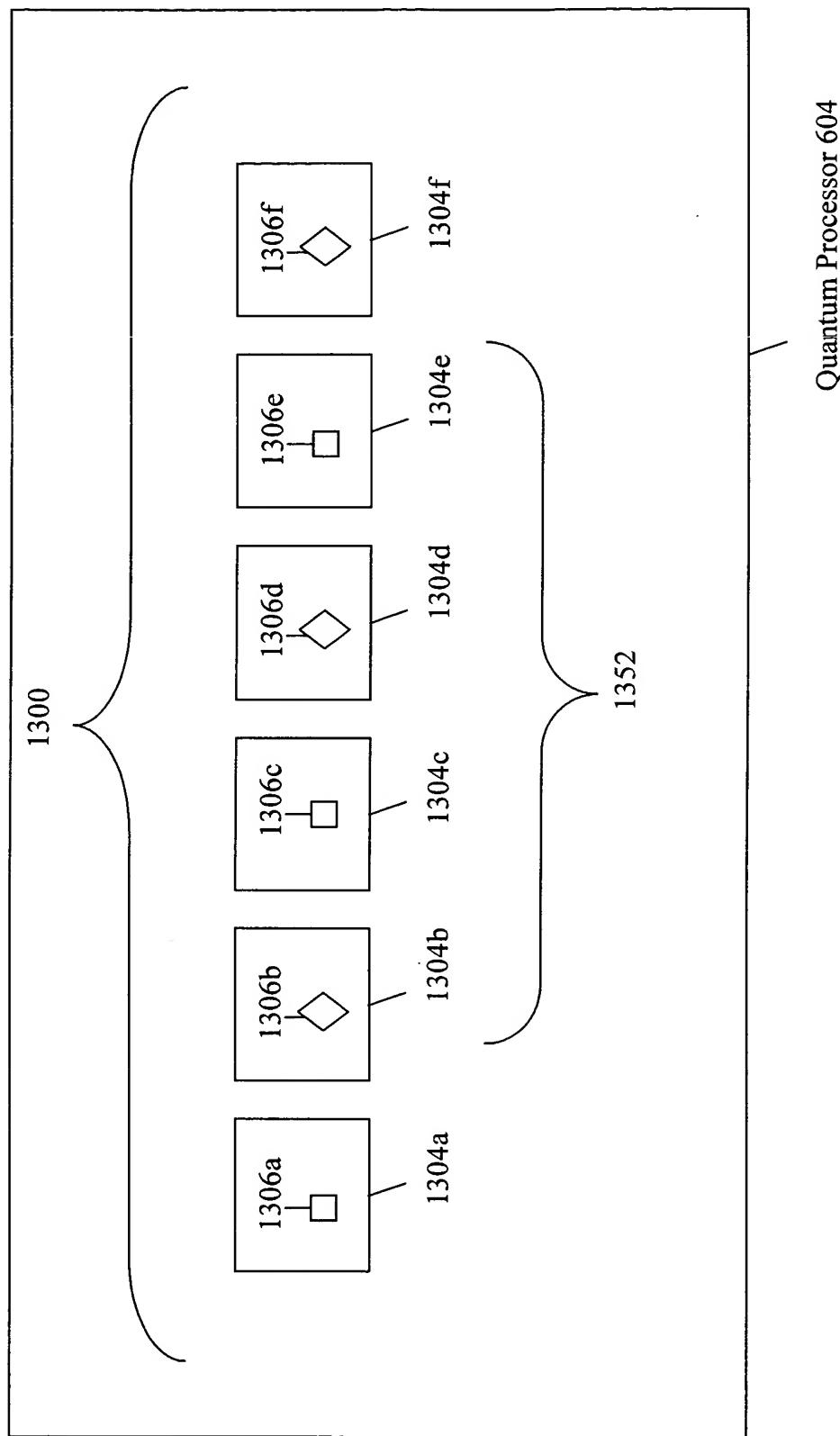


Figure 12



Quantum Processor 604

Figure 13

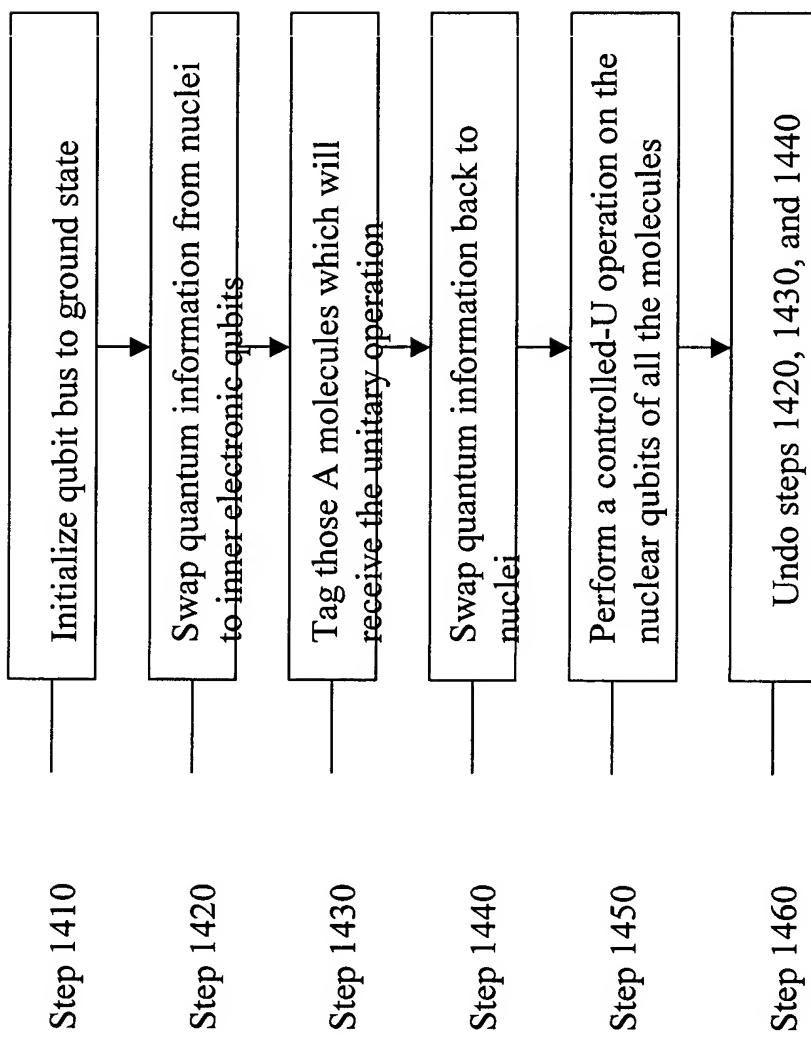


Figure 14

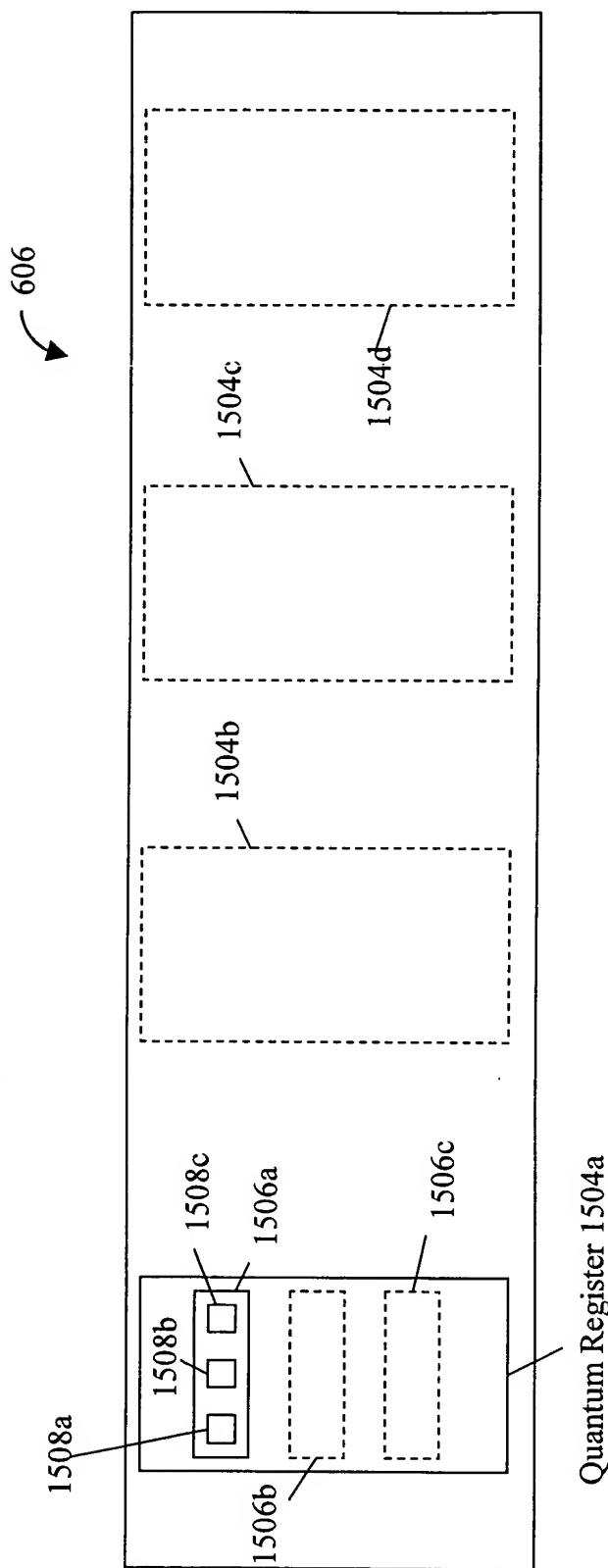
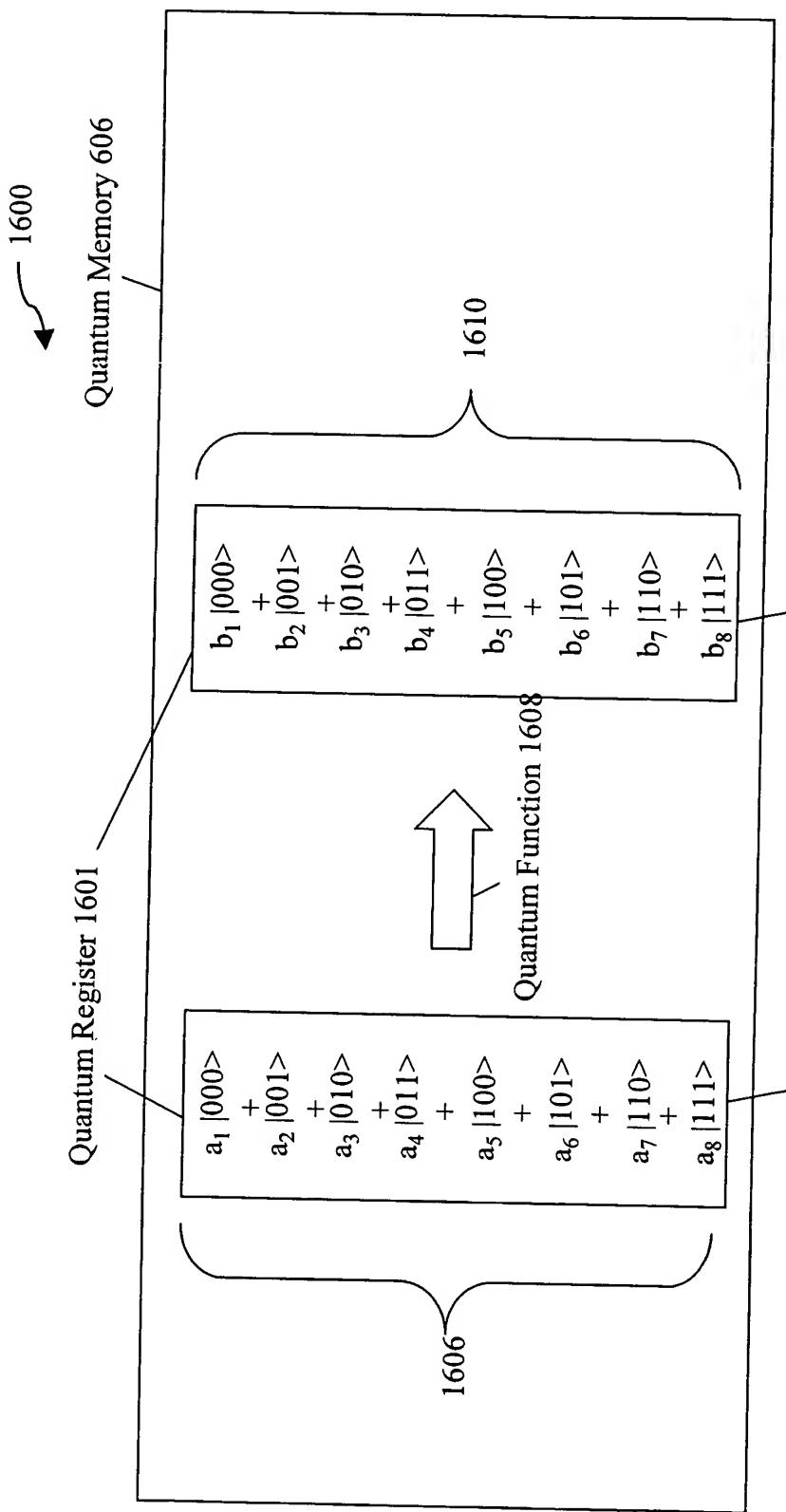


Figure 15



First State 1602 of Quantum Register 1601 Second State 1604 of Quantum Register 1601

Figure 16

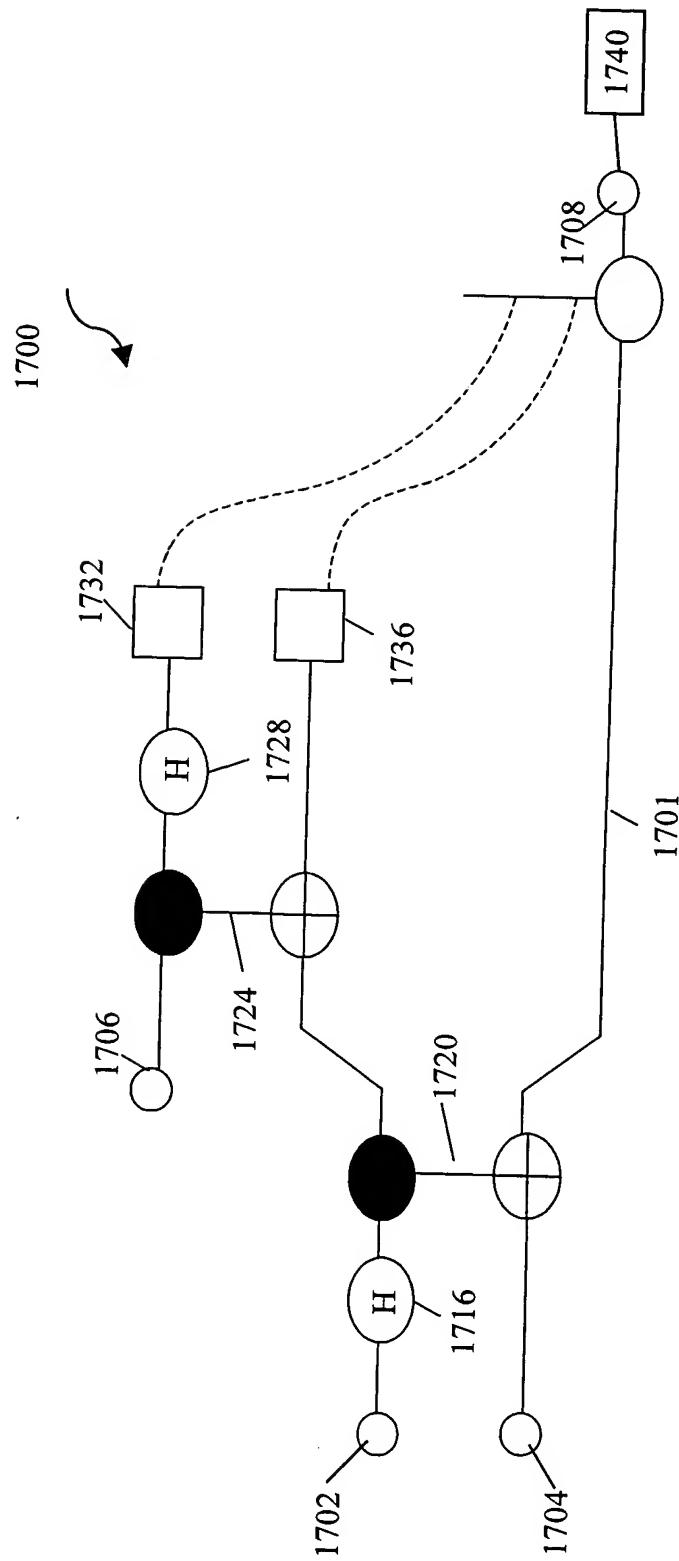


Figure 17